



Be a Scientist!

Fill a cup with ice cubes or snow. Fill another cup with water. Look at them side by side.

Fold a sheet of paper in half. Label one side ALIKE and one side DIFFERENT. How are the ice and water in the cups alike? How are they different?



Beyond the Book

Ask your teacher to help you use the Internet. Find pictures of pretty snowflakes. How many different kinds did you see?

FOCUS Book

Snowflakes



• Science A-Z 

Snowflakes



FOCUS Question

What are snowflakes?

Energy and Matter

Photo Credits:

Front cover: © SuperStock/Alamy; page 2: © Alaska Stock/Alamy; page 3: © firina/123RF; page 4: © Blend Images/Alamy; page 5: © Christina Kennedy/Alamy; page 6 (top left): © iStock/D4Fish; page 6 (top right, center left, center right, bottom right): © Robin Treadwell/Science Source; page 6 (bottom left): © Marina Scurupii/123RF; page 7: © pretoperola/123RF; page 8: © Jeannie Burleson/Alamy; page 9: © iStock/Ichabod

Snowflakes
© Learning A-Z

All rights reserved.

www.sciencea-z.com

A snowflake does not look like water.
But a snowflake is made of water!



A snowflake is made of frozen water.

Frozen water is called ice.

Ice is cold.



What is the weather like when it snows? Is it hot? No!

Water turns to ice only when it is very cold.

Think About It

Look at the picture. Is the weather hot or cold? How do you know?



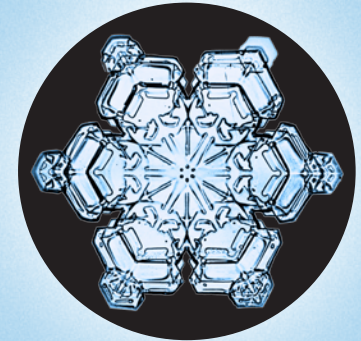
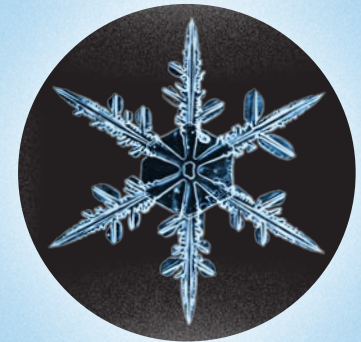
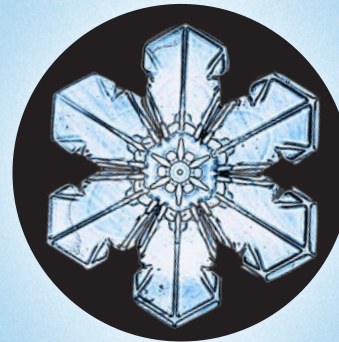
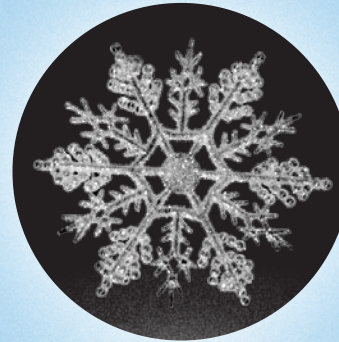
It is cold in clouds. The water in clouds can freeze.

Snowflakes form in clouds. When it is cold enough, snowflakes fall from the clouds.

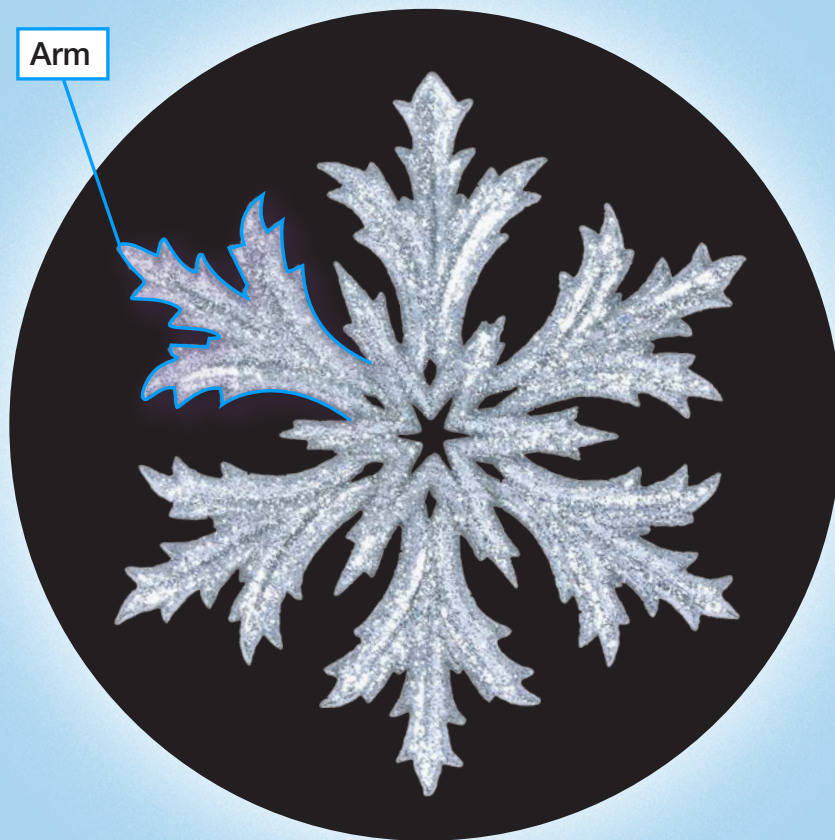


Snowflakes come in many shapes.

There are too many shapes to count!



Snowflakes have six main arms.
Count the main arms in this picture.



Some snowflakes are small.
Some are big.

Snowflakes can stick to each other.
Then they look bigger.

Ice can melt. So can snowflakes.

They warm up and become drops of water.

Water in the air can freeze again.
More pretty snowflakes will fall.



Read-Think-Write

Write or draw your answers on separate paper.
Use details from the book to support each answer.

- 1 Which word explains how water changes to ice?
melt freeze
- 2 How do snowflakes form?
- 3 What is the difference between a cup of water and a snowflake?
- 4 How many arms does a snowflake have?

FOCUS Question

What are snowflakes? Draw or write your answer.

